

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION OF

REID et al. REISSUE of U. S. Patent No. 5,693,343

Appln. No.: TBA

Group Art Unit: TBA

Filed: Herewith

Examiner: TBA

Title: MICROPARTICLE CARRIERS OF MAXIMAL UPTAKE CAPACITY BY  
BOTH M CELLS AND NON-M CELLS

**LETTER REQUESTING TRANSFER OF THE DRAWINGS  
FROM THE PATENT FILE UNDER MPEP 1413**

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Please transfer the drawings upon which the original patent was issued to this reissue application in lieu of new drawings. No changes whatsoever are to be made in the drawings. Temporary drawings which consists of a copy of the printed drawings of the patent or photoprint of the original drawings of the size required for original drawings are submitted with this reissue application.

Respectfully submitted,

*Caroline Nash Reg. No. 36,329*

Date: *Nov. 30, 1999*

For: Charles H. Harris, Reg. No. 34,616  
Attorney for Applicant  
U.S. Army Medical Research and Materiel  
Command, Attn: MCMR-JA  
Fort Detrick, Maryland 21702-5012

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660677 "TCE" 5460



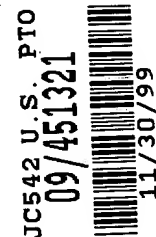
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**REQUEST FOR FILING REISSUE PATENT APPLICATION**

A/RE

The Commissioner of Patents and Trademarks  
 Washington, D.C. 20231

Sir:

This is a request for a reissue patent application of:



**Inventor:** Robert H. Reid, John E. van Hamont, William R. Brown,  
 Edgar C. Boedeker, Curt Thies

**Title:** MICROPARTICLE CARRIERS OF MAXIMAL UPTAKE CAPACITY  
 BY BOTH M CELLS AND NON-M CELLS

**Patent No:** 5,693,343 **Issue Date:** December 2, 1997

**Serial No.:** 08/242,960 **Filing Date:** May 16, 1994

**Date of this reissue application filing:** November 30, 1999

**Attorney docket no:** Army 103

This application for reissue includes:

☒ Specification: 15 pages (only spec. and claims)

☒ Abstract: 1 page(s)

☒ Drawings\*: sheet(s) per set:

1 set(s) informal (Figs. 1-19);

set(s) formal of size A4 13" 14"

**\*see separate letter requesting transfer of the drawings from the patent file**

☒ Declaration

☒ Assent of Assignee

☐ Request for Title Search

☐ Verified Statement establishing small entity status

☒ Power of Attorney (included in Declaration)

☒ Also attached:

(1) Form PTO-1449

(2) copies of references cited

(3) Letter Requesting Transfer of Drawings from the Patent File

09451321.1.13099

11/30/99  
10545 U.S. PTO

**Priority is claimed under 37 CFR 1.78(a)(3) based on:** Ser. No. 867,301, filed April 10, 1992, Pat. No. 5,417,986 which is a continuation in part of Ser. No. 805,721, filed Nov. 21, 1991, abandoned, which is a continuation in part of Ser. No. 690,485, filed April 24, 1991, abandoned, which is a continuation in part of Ser. No. 521,945, filed May 11, 1990, abandoned, which is a continuation in part of Ser. No. 493,597, filed March 15, 1990, abandoned, which is a continuation in part of Ser. No. 590,308, filed March 16, 1984.

**Fee Calculation:**

Basic Filing Fee (\$760/\$380) \$ 760

**Claim fees:**

	<u>Claims in reissue app.</u>	<u>Claims in orig. patent</u>	
Total effective claims	(A) 24	(B) 7	(A) minus [larger of (B) or 20] = <u>4</u> x \$18/\$9= \$72.00
Total indep. claims	(D) 7	(E) 1	(D) minus (E) = <u>6</u> x \$78/\$39= \$468.00

Title Search Fee (\$25.00) \$

Petition Fee per Rule 17(h) for Rule 47 Petition (\$130.00) \$

Other Fees: \$

**TOTAL FEES** \$1300.00

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge the above fee and any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Deposit Account No. 21-0380, for which purpose a duplicate copy of this sheet is attached.

Submitted by: Caroline Nash  
Reg No 36,329

For: Charles H. Harris, Reg. No. 34,616  
Attorney for Applicant  
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NOTE: File in duplicate with post card receipt

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Reid, et al.

Docket No.

Army 103

~~Serial No.~~

U.S. Patent 5,693,343

Filing Date

5/16/94

issue date 12/2/97

Examiner

Craires, T.

Group Art Unit

1205

Invention: MICROPARTICLE CARRIERS OF MAXIMAL UPTAKE CAPACITY BY BOTH M CELLS AND NON-M CELLS

I hereby certify that this Request for Filing Reissue Patent Application

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231

on November 30, 1999

(Date)

Caroline Nash

(Typed or Printed Name of Person Mailing Correspondence)

*Caroline Nash*

(Signature of Person Mailing Correspondence)

EJ843694054US

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